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THE CENTER LINE

MONTANA HIGHWAY COMMISSION

Vol. VIII, No. 4. April, 1965

YOUR NEW COMMISSIONERS

The February issue of Centerline carried biographical material on the three new Commissioners, but no photos were available at that time.

At their March meeting, Chet Dreher had them pose for portraits which we are pleased to include in this month's issue.

ALEX BLEWETT, Chairman

ARNOLD SWANSON

DALLAS VANDELINDER

MHUC TO HOLD MEETING

The Montana Highway Users Conference will hold its board meeting on April 28 at Jorgenson's in Helena.

Starting at 9:30 with the board session, the membership meeting will follow at 10:30 and adjournment will be after the no-host lunch at noon.

Ray Reavley, chairman, stated that the Highway Commissioners would be invited which would give MHUC members an opportunity to meet the three new commissioners,

(Continued on page 2)

VEHICLES NEED MORE HIGHWAYS

The April 5 report from the Automobile Manufacturers Association shows that the record-shattering figure of 3,013,668 vehicles produced in any three-month period was chalked up in Jan., Feb. and March.

When it is considered that the manufacturers are turning out vehicles at the unprecedented rate of 1,136,718 each month, it is apparent that good highways are needed.

The Montana Highway Department is making every effort to see that the Treasure State keeps pace with the rest of the country in providing them.

GOVERNOR
Tim Babcock

STATE HIGHWAY COMMISSION

Alex Blewett	Chairman
S. N. Halvorson	Vice-Chairman
J. M. Nass	Member
Dallas VanDelinder	Member
Arnold Swanson	Member
John D. Wheeler	Secretary

STATE HIGHWAY DEPARTMENT

Paul M. Johnson — State Highway Engineer

EDITORIAL STAFF

Ernest A. Neath	Editor
Chet Dreher	Photographer
Kenneth L. Martello	Artist

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MHUC MEETING (Continued from page 1)

as well as renew acquaintanceship with the two holdovers. Impact of highway legislation will be discussed, and policy determined for the actions of the Conference in state and federal highway matters.

Keynote speaker at the luncheon will be Baird French, Regional Engineer for the Bureau of Public Roads, from Portland. He will discuss *Possibilities In Federal-State Participation After 1972.*

MARCH SERVICE AWARDS

Topping this month's list is Ralph M. Wilcox, who has reached the 35-year mark. Next is George L. Hammond with 30 years, and third is Walter C. Ward, with 25. There are six 20-year employees: William R. Bovee, Enes W. Dale, Sidney H. Davis, Ruba E. Euell, William J. Neely and Glen A. Thompson. Those receiving 15-year pins are: John Wesley Adamson, Paris E. Everson, Alvis L. Taylor and George W. Tippett. In the 10-year list are: Charley W. Frey, Herbert E. Gregory, George H. Hein, James R. Hein, George W. Hilborn, Robert D. Montgomery, Gerald W. Stabie, and John D. Wheeler. Those with 5-years of service include Joseph B. Braunbeck, Gary L. McCrea, Joseph A. Monroe, Edward J. Shea, Ronald A. Toldness and George E. Ulrich.

This month's awards show a total of 380 years of service to the Montana Highway Department.

HELLAND, UTAH HIGHWAY CHIEF

Word has been received by Paul M. Johnson, State Highway Engineer, that Henry Helland, formerly Interstate Engineer and Deputy State Engineer for the MHD, is now director of the Utah Highway Department.

He was appointed to succeed C. Taylor Burton.

Helland is well-known to many of the MHD employees who worked with him prior to his leaving here in July of 1957. Prior to that time he served the MHD from 1928 continuously except for two periods. He was Planning Survey Engineer for two years, and was Deputy State Engineer at the time he resigned.

BILL ASHTON RETIRES

After 37 continuous years with the MHD, William E. Ashton, Assistant Materials Engineer in the Helena Lab, retired from active duty. The occasion was marked with an informal dinner on March 17, with over 100 employees and friends attending, at Jorgenson's.

Former employees, now retired, who gathered to welcome Bill into their "gang" were: George Poore, John Maloney, Earl Parsons, Charlie King, Marge Kennett, Peg Michaels, Ben Burgess, Malcolm Bowden and J. Walker Brown.

Besides the presentation of a gift, Zach Murfitt as M.C., read a poem especially composed for the affair by J. B. Rouch, and which CL reproduces for all to read.

"Tonight we're gathered to wish God speed
To an old and cherished friend.
We've traveled the road together
Now for Bill, the trail must bend.

His deeds will ne'er be forgotten.
Always loyal to his fellow-man,
He built a heritage of conquests,
Like only Bill Ashton can.

Now, you'll have lots of time to explore
The mining camps of the past.
Maybe jot down a fact or two,
And finish that book at last.

Hit the trail to places forgotten,
With your trailer tied onto the end.
Life will be better than ever,
Now that you've come to the bend.

So, a salute to you, Bill Ashton!
Enjoy the rest you have won.
Just think of your old pals once in a while
As you walk in the wind and the sun.

BOWLING TOURNAMENT A SUCCESS

The first-place winners at the annual Highway Bowling Tournament held at Lewistown on the 10th and 11th of this month, indicate some fine bowling talent among the MHD gang. Thanks to Bea Knerr of Lewistown, CL reports the following results.

In the Men's division:

"Four Plus One" team consisting of H. C. Treadway, Buck Finley, Gary Garden, Jack Cameron of Helena, and Buck Dundas of Butte, rolled a 3,039.

In the doubles, John Miller and Paul Love of Billings had a 1,302.

A tie was reported in the men's singles. George Finley and Gary Garden both had a score of 675.

All events—Paul Love of Billings chalked up a 1,984.

In the Men's Team Events:

Special awards: Clarence Farry, Great Falls, high scratch game, 245. He also took the high scratch series with 650, and the high series with handicap, 674. Skip Mayer won the high game with handicap, 259. Dale Harnish of Great Falls took the Triplicate award with 187.

Women's Division:

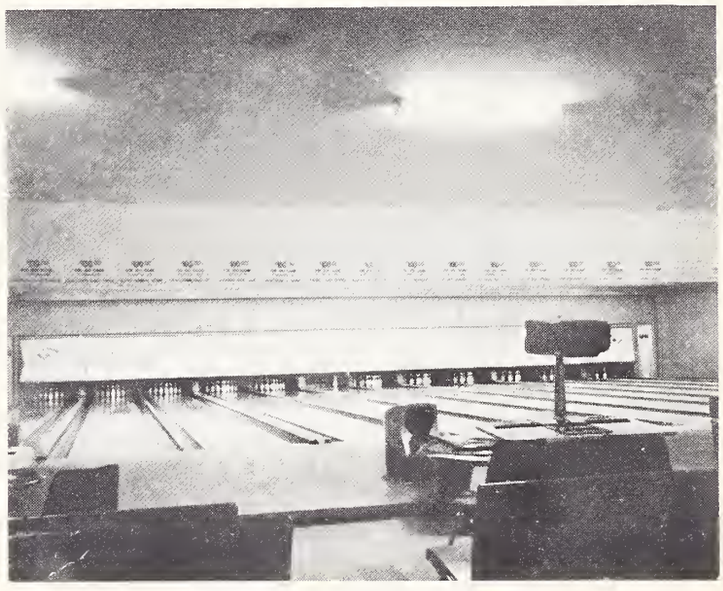
The *Lewistown Highway Belles* were high with 2,974. In the doubles, Leona Spring and Bea Knerr of Lewistown rolled 1,211. Singles Adeline Oliver of Wolf Point, had a 664. All events—Janice Rikustad of Glendive, 1,847.

In the Women's team events, special awards to Mary Ann Borer, high scratch game, 201. This Miles City gal also took the high game with handicap, 251, and the high series with handicap, 634. Eleanor Regnor of Helena, rolled the high series team event with 538, and Bea Knerr of Lewistown took the triplicate award with 170.

Milo Lahn, president, and Bea Knerr, secretary of the bowling committee, express their thanks to all who participated in the tourney, and judging from everyone's praise, the event was a complete success.

Next year the tournament will be held in Billings.

The sites of the Montana State Highway Bowling Tournament.



Snowy Lanes with 12 Lanes

Eagles' Lanes with 8 Lanes

For more on Bowling, see "A Letter to Centerline," page 4.

A LETTER TO CENTERLINE

For the record, I wish to express my personal feelings on the handling of the Fourth Annual Montana Highway Department Bowling Tournament just concluded in Lewistown.

In my opinion (and I'm sure it is shared by many others), this was the *BEST* tournament to date. This would include all reservations for the tournament itself, as well as any motel reservations, the entertainment, etc., etc., and especially the smorgasbord.

Mr. Milo Lahn and Bea Knerr, as president and secretary, respectively, of the bowling tournament committee, and all the other committee members, are to be highly complimented. The hard work and long hours required and spent on the arrangements by these employees deserve all the plaudits they so rightfully are entitled to and I, for one, wish to extend my thanks for such a lovely and thoroughly enjoyable week-end.

Thanks, Lewistown.

Sincerely,

HAROLD C. TREADWAY,
Construction Department
Helena Headquarters.

P. S.—Just a note. On the subject of bowling, after talking to several of the participating bowlers, it was suggested that a Statewide meeting be held in Helena, preferably on a week-end, to establish an executive committee, representing all Districts and Divisions, to discuss the merits and/or methods of choosing future sites and to draw up some permanent by-laws, and rules and regulations for our Annual Bowling Tournament.

If any employee reading this article has any ideas on the above subject, I would be glad to serve as a committee of one and collect all your comments regarding your thinking and discuss the matter with the bowling committee we have in Helena headquarters, and if conditions warrant, maybe a meeting can be arranged.

Also, if this does come to pass, all Districts and Divisions will be notified accordingly and a time and place would be agreed upon at a later date. —H.C. Treadway.

McGEE'S TALENTS RECOGNIZED

Troy McGee, who has been with the Data Processing Division for six years, resigned on April 2 to accept the position of Director of Centralized Data Processing for the State Agencies in Helena. He will headquarter in the Sam Mitchell Building.

While with the MHD, he wrote all the engineering computer programs now in use by construction and pre-construction engineers. He also systematized the G.V.W. procedures, working with Bill Mortieau, to give the trucking industry faster service and more detailed accounting reports.

Troy's knowledge of computer equipment will be an asset to the State agencies, and we all wish him the best in his new endeavor.

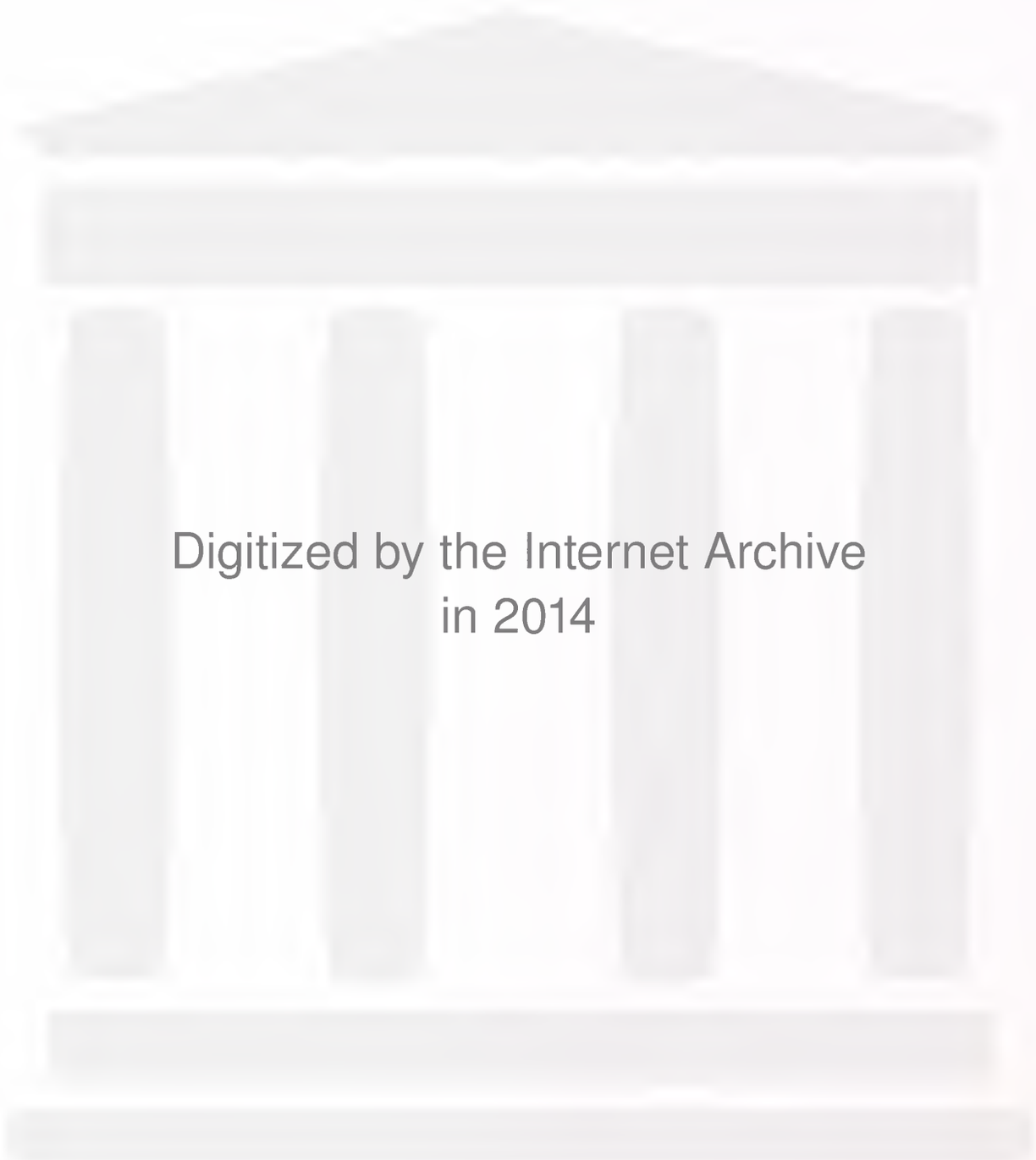
Troy is shown being congratulated by Ed Miller, Data Processing Engineer, on his new position. The event was celebrated by the cutting of a huge cake.

WALT SILL, PHOTOGRAPHER, LEAVES

Walt Sill, who has worked with Chet Dreher and Marv Kalland for the past three years, in the photo department in Helena, has resigned to enter private business. We all wish Walt the best of luck.

MAP INDEX NUMBER	PROJECT NUMBER	PROBABLE COMPLETION DATE	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID PRIMARY PROJECTS		
101	F 33 (6) & F 108 (9)	6-30-65	6.0 miles grade, drain, aggregate & plant mix bituminous surface. (U.S. 87-S. of Roundup).
102	F 238 (10)	7-15-66	1.9 miles grade, drain, aggregate & plant mix bituminous surface. Sign. (Montana 287-Wolf Creek N.).
103	F 64 (10)	6-30-65	0.2 mile repair of slide drainage. (U.S. 87-S. of Belt).
	F 239 (13)	9-16-65	2.2 miles (0.1 mile Portland Cement Concrete pavement, grade, drain, aggregate surface & plant mix bituminous surface. (U.S. 12-White Sulphur Springs N.E.).
	F 8 (11)	9-16-65	5.2 miles grade, drain, aggregate surface & plant mix bituminous surface. Widen 25-ft. timber bridge-Four Mile Creek to 40 ft. roadway. (U.S. 12-White Sulphur Springs N.E.).
105	F 262 (14)	7-15-65	9.6 miles grade, drain, aggregate & plant mix bituminous surface. Two prestressed concrete beam bridges. One 102-ft.-Thompson Creek. One 142-ft.-Little Missouri River. (U.S. 212-Wyoming Line N.W.).
106	F-FG 68 (12) U1	6-30-65	2.7 miles (four-lane divided) grade, drain, surface, plant mix bituminous surface. Signing & delineation. (U.S. 10A-E. of Anaconda).
107	F 134 (7)	6-30-65	0.7 miles signing & delineation. (U.S. 212-Laurel S.).
108	U 388 (8)	9-15-67	0.2 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Sign. (U.S. 91-S. of Great Falls).
109	F 220 (8)	7-16-65	3.3 miles grade, drain, aggregate surface, & plant mix bituminous surface. (U.S. 2-E. of Cut Bank).
	F 154 (6)	7-16-65	4.2 miles grade, drain, aggregate surface, & plant mix bituminous surface. (U.S. 2-E. of Cut Bank).
110	F 148 (8)	6-30-66	Three prestressed concrete beam bridges. One 172-ft.-Beaver Creek. One 355-ft.-Milk River. One 143-ft.-Milk River Overflow. (U.S. 2-E. of Saco.).
	F 148 (9)	6-30-66	7.6 miles grade, drain, aggregate & plant mix bituminous surface. (U.S. 2-E. of Saco).
111	F 69 (11)	10-31-66	0.4 mile grade, drain, aggregate & plant mix bituminous surface. Sign. (U.S. 10-Whitehall approach to I-90.).
112	F 86 (24)	11-15-65	11.8 miles grade, drain, aggregate & plant mix bituminous surface. (U.S. 12-E. of Miles City).
113	F 217 (11)	10-15-65	9.2 miles grade, drain, aggregate & plant mix bituminous surface. Relocation portion of NP RY tracks. (U.S. 89-S. of Livingston).
114	F 205 (8) U1	11-30-65	1.3 miles grade, drain, aggregate & plant mix bituminous surface. Signing. (U.S. 10A-New alignment-Drummond South).
	F 205 (8) U2	10-31-65	Three prestressed concrete beam structures. One 301-ft.-Clark Fork. One 163-ft.-CMSTP&P RY. One 188-ft.-NP RY. (U.S. 10A-New Alignment-Drummond S.).
115	U FG 228 (16)	6-30-65	1.5 miles grade, drain, cement stabilized base, surface, concrete pavement, plant mix bituminous, seal coat oil. One concrete underpass - NP RR. (U.S. 10-In Billings).
	F 228 (19) U1	7-1-65	0.6 miles grade, drain, aggregate & plant mix bituminous surface. Signing & delineation. (U.S. 10-West Billings Interchange).
	F 228 (19) U2	7-1-65	0.6 miles fencing. (U.S. 10-West Billings Interchange).
116	F 260 (10)	7-1-65	0.5 miles, grade, drain, aggregate & road-mix bituminous surface. Support wall for slide area correction. (U.S. 2-E. of W. Glacier).
117	F 115 (14)	8-4-65	8.6 miles grade, drain, aggregate & plant mix bituminous surface. Signing & lighting. (U.S. 12-Harlowton E.).
118	F 149 (21) & F 395(9)	6-30-65	Lighting & signals. (U.S. 87 & ByPass Junction-Great Falls).
	F 180 (7)	6-30-65	Lighting & signals. (U.S. 87-E. of Great Falls).
119	F 193 (16)	9-15-65	1.6 miles grade, drain, aggregate & plant mix bituminous surface. (Montana 5-In Plentywood).
120	F 114 (6)	6-30-65	2.4 miles signing & delineation. (U.S. 10-Hysham connection to Interstate 94.).
121	ER 53 (2) (F 208)	6-30-65	Repair flood damaged 122-ft. prestressed concrete beam bridge-Kennedy Creek & Road Approaches. (U.S. 89-N.W. of Browning).
122	ER 57 (2) (F 236)	6-30-65	0.2 mile repair flood damage, grade, drain, aggregate & bituminous surface treatment. Install 12'10"S x 8'4"R. x 82" S.P.R.A.C. Culvert & Cartwright Coulee. (U.S. 87-N. of Dupuyer).
123	F 191 (20) U1	6-30-65	7.3 miles (2.5 miles grade & drain) surface, plant mix bituminous & seal coat oiling. (U.S. 93-N. of Polson).
124	F 246 (13)	6-30-65	9.2 miles grade, drain, aggregate & plant mix bituminous surfacing. (Montana 208 - S.E. of Circle).
125	F 2 (17)	6-30-65	24.4 miles aggregate & plant mix bituminous surfacing. (Montana 7-N. of Baker).
126	ER 59 (3)	7-31-65	One 183-ft. prestressed concrete beam bridge-Deep Creek. Road approaches. (Montana 287-S. of Choteau).
127	F 184 (15)	6-30-65	1.1 miles seeding & mulching. (U.S. 10-N. of Deer Lodge).
128	ERFO 41 (1) **	1965	1.0 mile grade, drain, aggregate & plant mix bituminous surfacing. One 36-ft. concrete slab bridge-Cougar Creek. (U.S. 191 N. of W. Yellowstone).
129	F 251 (11)	9-15-65	7.6 miles grade, drain, aggregate & plant mix bituminous surface. (Montana 5-Scobey E.).
130	F 27 (6) & F 28 (5)	9-15-65	6.1 miles grade, drain, aggregate & plant mix bituminous surface. (U.S. 87-S. of Grass Range).
131	F 43 (17)	6-30-65	15.9 miles plant mix bituminous surface. (Montana 43-N. of Wisdom).
132	F 53 (13) & F 230 (9)	6-30-65	2.1 miles, four-lane median divided grade, drain, aggregate & plant mix bituminous surface. (U.S. 10-Billings E.).
133	ER 57 (6) (F 236)	6-30-65	0.3 mile grade, aggregate & bituminous treatment, bridge approaches. One 122-ft. prestressed concrete beam bridge-Dupuyer Creek Overflow. (U.S. 89-N. of Dupuyer).
134	F 215 (12) U1	11-30-65	One 122-ft. prestressed concrete beam bridge-Lolo Creek. (U.S. 93 - S. of Lolo).
135	ER 59 (2) (F 65)	9-30-65	One 60-ft. prestressed concrete beam span addition to existing 165-ft. concrete & steel pony truss bridge-Teton River. (U.S. 89-S. of Choteau.
136	SMP 4220-01-4310-01-23-4030	6-30-65	Repair drainage system & retaining wall of underpass - GN RY. (Mont. 13W - In Wolf Point).
137	F 191 (28)	10-31-66	One 1536-ft. prestressed concrete beam bridge-Flathead River. 0.4 mile grade, aggregate & plant mix surface approaches. (U.S. 93-Polson W.).
138	F 9999 (2)	12-1-65	348.7 miles signing & delineation. Signals & channelization of three intersections in Helena. (U.S. 12-Garrison to Forsyth).
139	ER 50 (2) (F 252)	6-30-65	Fill repair and bank protection along Teton River. (U.S. 87-N. of Fort Benton).
140	ER 57 (7) (F 236)	9-30-65	0.3 mile grade, drain, aggregate & bituminous surface treatment surface. One 82-ft. prestressed concrete beam bridge-Valier Irrigation Canal. (U.S. 89-N. of Dupuyer).
	ER 54 (1) (F 235)	6-30-65	Fill repair and bank protection along Otter Creek. (U.S. 87-W. of Stanford).
	FEDERAL AID SECONDARY PROJECTS		
201	S 340 (8)	8-15-65	4.4 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Chinook).
202	S 58 (6)	8-31-65	1.1 miles grade, drain, aggregate & plant mix bituminous surface. One 650-ft. welded plate girder bridge - Flathead River. One 128-ft. prestressed concrete beam overpass - NP RY. (Perma North).
203	R-AD 11 (1) & S 368 (16)	9-15-65	14.9 miles grade, drain, aggregate & plant mix bituminous surface. Widen to 30-ft. roadway bridge over East Fork Cherry Creek. (Glasgow N.).
204	S 316 (11)	6-30-65	7.6 miles grade, drain, aggregate & plant mix bituminous surfacing. (N. of Cut bank).
205	S 318 (4) & S 347 (11) *	8-31-65	8.2 miles grade, drain, aggregate & plant mix bituminous surfacing. (Ekalaka S.).
206	S-SG 192 (4) U1	7-1-65	1.0 miles grade, drain, aggregate & plant mix bituminous surfacing. Signing & delineation. (Connection to W. Billings Interchange).
	S-SG 192 (4) U2	7-1-65	1.0 mile fencing. (Connection to W. Billings Interchange.).
	S-SG 192 (5)	6-30-65	One 190-ft. prestressed concrete beam overpass-NP RY. (S.W. of Billings).
207	S 35 (13)	10-30-65	10.2 miles grade & drain. (W. of Dillon).
208	S 18 (6)	6-30-65	7.3 miles grade, drain, aggregate & plant mix bituminous surfacing. One 112-ft. prestressed concrete beam bridge-Musselshell River. (Twodot S.).
209	S 237 (3)	9-1-65	5.9 miles grade, drain, aggregate & plant mix bituminous surface. (Jct. with I 15 9-01-65 E. - E. of Kevin).
210	S 2 (7)	6-15-65	6.2 miles aggregate & plant mix bituminous surface. (Junction Montana 20E.).
211	ERFO 41 (1) **	1965	15.6 miles grade, drain, aggregate & plant mix bituminous surfacing. Two concrete slab bridges. 75-ft. Grayling Creek & 124-ft. Beaver Creek. Widen 83-ft. concrete girder bridges-Cabin Creek. (N.W. of W. Yellowstone).
212	S-SG 218 (2)	9-30-65	0.6 miles grade, drain, aggregate & plant mix bituminous surfacing. One 34-ft. concrete underpass-Dakota Street. Two 38-ft. steel underpasses-CMSTP&P RR. (Russell St.-S. of Missoula).
213	S 301 (13)	6-30-65	5.0 miles grade, drain, aggregate & plant mix bituminous surface. (N.W. of Havre).
214	S 65 (7)	7-1-65	4.9 miles aggregate & plant mix bituminous surface. (S. of Big Fork).
215	ROW S 370 (13)	6-30-65	Reset 239 rods of fencing. (W. of Wilsall).
216	S 307 (14)	7-31-65	6.1 miles grade, drain, aggregate & plant mix bituminous surface. Widen three timber bridges to 28-ft.-Little Battle Creek, two 75-ft.-Butte and Cowboy Steel Creek. (S.E. of Geraldine).
	S 307 (15)	7-31-65	5.1 miles grade, drain, aggregate & plant mix bituminous surface. (S.E. of Geraldine).
217	S 264 (4)	6-30-65	Install 120" Structural Plate Pipe. (N. of Van Norman).
218	S 417 (3)	7-30-65	7.3 miles grade, drain, aggregate & plantmix bituminous surface. (S.E. of Plentywood).
219	S 85 (00) U2 & S 85 (3) U2	6-30-65	Three prestressed concrete beam bridges. One 92-ft. & 71-ft.-Horse Prairie Creek. One 71-ft.-Medicine Lodge Creek. (Armstead W.).
220	S 192 (7)	7-1-65	3.2 miles grade, drain, aggregate & plant mix bituminous surface. (N.E. of Laurel).
221	S 410 (3)	9-1-65	6.6 miles grade & drain. (N. of Troy).
222	S 405 (3)	10-15-65	7.9 miles grade, drain, aggregate & plant mix bituminous surface. One 163-ft. prestressed concrete beam bridge-Spring Creek. (Hanover E. & W.).
223	ER 53 (4) (FAS 266)	6-30-65	One 173-ft. prestressed concrete beam bridge - Cut Bank Creek. (N. of Browning).
224	S 413 (3)	6-30-65	1.9 miles grade, drain, aggregate & plant mix bituminous surface. One 162-ft. prestressed concrete beam bridge-Flint Creek. (S. of Drummond E.).
	S 414 (3)	6-30-65	2.5 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Drummond W.).
225	ER 53 (5) (FAS 249)	6-30-65	One 163-ft. prestressed concrete beam bridge - Cut Bank Creek. (N.W. of Browning).
226	ER 57 (4) (S 193)	6-30-66	One 285-ft. prestressed concrete beam bridge-Birch Creek. (N.W. of Valier).
227	S 328 (2) (Non-Part.)	6-30-65	Repair one 173-ft. prestressed concrete beam bridge-W. Fk. Bitterroot River. (S. of Darby).
228	ER 50 (3) (S 339)	6-30-65	Channel clearing, bridge berm repair and bank protection of 298-ft. Steel & Concrete Bridge - Teton River. (N.W. of Fort Benton).
229	S 419 (3)	8-30-65	0.9 miles grade, drain, aggregate surface. 0.7 miles plant mix bituminous surface. (Approach I 90 Separation-W. of Alberton).
236	S 9 (10)	6-30-65	3.7 miles reshape, aggregate & plant mix bituminous surface. (S. of Boulder).
237	S 107 (9)	6-30-65	7.0 miles grade, drain, aggregate & plant mix bituminous surface. Widen timber bridge to 32-ft. roadway. (N.E. of Conrad).
238	S 400 (3)	6-30-65	6.4 miles grade & drain. (S. of Hamilton E.).
	S 400 (4)	6-30-65	6.4 miles aggregate & plant mix bituminous surface. (S. of Hamilton E.).
239	S 426 (4)	8-31-65	0.2 mile grade, drain, aggregate surface, approaches to Gallatin River Bridge. (N.E. of Manhattan).
240	S 415 (3)	6-30-65	6.0 miles grade, drain, aggregate surface. One 92-ft. prestressed concrete beam bridge-Lake Creek. (E. of Medicine lake).
241	S 194 (4)	6-30-65	0.3 miles grade, drain, aggregate surface. One 225-ft. prestressed concrete beam bridge-Box Elder Creek. (E. of Ekalaka).
242	S 243 (3)	7-31-65	6.5 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Bozeman).
243	S 388 (5)	6-30-65	9.5 miles grade, drain, & aggregate surface. (N.E. of Miles City).
244	US 70 (4)	8-15-65	0.7 miles grade, drain, aggregate & plant mix bituminous surface. (Fifth Avenue In Havre).
245	S 402 (3)	6-30-65	7.8 miles grade, drain, surface, plant mix bituminous & seal coat oiling. (N.E. of Culbertson).
	OFF SYSTEM PROJECTS		
	GNP 8-A4 *	1965	One 403-ft. prestressed concrete beam bridge-N. Fk. Flathead River. (In Glacier Park).
	GNP 8-A5 *	1965	8.5 miles grade, drain & base. (In Glacier Park).
302	ERFO 63 (1) *	1966	Reconstruct seven bridges & repair one bridge. (In Glacier Park).
303	ERFO 66 (2) *	1965	One 201-ft. treated timber bridge-McDonald Creek. (In Glacier Park).

* - Bureau of Public Roads Projects.
** - Bureau of Public Roads Projects. - Map Index Numbers 128 & 211 one contract.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PROJECTS UNDER CONTRACT
MONTANA HIGHWAY COMMISSION

LEGEND

HIGHWAY SYSTEMS
- INTERSTATE (Constructed or under contract)
- INTERSTATE (Proposed)
- PRIMARY
- SECONDARY
- 10 FINANCIAL DISTRICT NUMBER

ROUTE MARKERS
- 90 INTERSTATE
- 10 U.S. NUMBER
- 13 STATE NUMBER
- 499 OTHER NUMBER

INDEX NUMBERS
- (1) INTERSTATE (1 thru 100)
- (101) PRIMARY (101 thru 200)
- (202) SECONDARY (201 thru 300)
- (303) OFF SYSTEM (301 thru 400)

NOTE Index Number details on reverse of sheet

MAP INDEX NUMBER	PROJECT NUMBER	PROBABLE COMPLETION DATE	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID INTERSTATE PROJECTS		
1	I-IG 90-2 (25) 95 U1	10-31-66	7.8 miles four-lane divided, grade, drain, cement base stabilization, aggregate surface, plant mix bituminous & Portland Cement Concrete paving. Signing. Nine prestressed concrete structures. One 321-ft. Underpass-DeSmet Interchange, dual 163-ft. overpass - NP RY, dual 138-ft. overpass-County Road, dual 195-ft. overpass-Grant Creek & Interchange, two 32-ft. bridges-Grant Creek on Interchange ramps. (New alignment - I 90-W. of Missoula).
	I-IG 90-2 (25) 95 U2	10-31-66	7.8 miles fencing. (New alignment - I 90-W. of Missoula).
2	I-IG 90-2 (14) 105 U1	10-15-65	4.9 miles grade, drain, cement base stabilization, aggregate surface, Portland Cement Concrete pavement and plant mix bitumino. surface. One 68-ft. steel & concrete NP RY overpass-Van Buren Street. Signing & lighting. (New alignment - I 90-Missoula E.).
	I-IG 90-2 (14) 105 U4	10-15-65	4.9 miles fencing. (New alignment - I 90-Missoula E.).
3	I 90-4 (8) 226 U1	9-30-65	2.8 miles four-lane divided, grade, drain, cement stabilized base, aggregate surface, plant mix bituminous surface & concrete pavement. (New alignment - I 90-Butte S.E.).
	I 90-4 (8) 226 U2	6-30-65	2.8 miles fencing. (New alignment - I 90-Butte S.E.).
	I 90-4 (10) 229 U1	8-30-66	2.6 miles four-lane divided, grade, drain, aggregate surface, plant mix bituminous surface. Signing. (New alignment - I 90-Butte S.E.).
	I 90-5 (6) 231 U1	8-30-66	2.3 miles four-lane divided, grade, drain, aggregate surface, plant mix bituminous surface. One 230-ft. prestressed concrete beam underpass. Homestake Interchange. Signing. (New alignment - I 90-Butte S.E.).
	I 90-5 (7) 233 U1	8-30-66	7.1 miles four-lane divided, grade, drain, aggregate surface, plant mix bituminous surface. Dual 123-ft. prestressed concrete beam overpass - Pipestone Interchange. (New alignment - I 90-Butte S.E.).
	I 90-4 (10) 229 U2	9-30-65	2.6 miles fencing. (New alignment - I 90-Butte S.E.).
	I 90-5 (6) 231 U2	9-30-65	2.3 miles fencing. (New alignment - I 90-Butte S.E.).
	I 90-5 (7) 233 U2	9-30-65	7.1 miles fencing. (New alignment - I 90-Butte S.E.).
	I 90-5 (8) 231	10-31-66	2.6 miles grade, drain, aggregate surface. Signing. (Moose Creek Access Road to I 90.).
	I 90-5 (5) 241 U1	10-31-66	9.6 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Signing. One 275-ft. prestressed concrete beam - Underpass - County Road. (New alignment - I 90-Whitehall E. & W.).
	I 90-5 (5) 241 U2	11-30-65	9.6 miles fencing. (New alignment - I 90-Whitehall E. & W.).
	I-IG 90-5 (5) 241 U3	7-31-66	Dual 315-ft. steel girder overpasses-NP RY. Four prestressed concrete beam bridges, Dual 108-ft. County Road, Dual 128-ft. Whitehall Interchange. (New alignment - I 90-Whitehall E. & W.).
4	I 15-1 (20) 51 U1	7-31-66	6.8 miles grade, drain, aggregate & plant mix bituminous surface. Rest area. Signing. (I 15-S. of Dillon.).
	I 15-1 (20) 51 U2	7-31-66	6.8 miles fencing. (I 15-S. of Dillon.).
	I 15-1 (20) 51 U3	9-30-65	Three prestressed concrete beam structures. One 188-ft. Beaverhead River, one 163-ft. Beaverhead River, One 123-ft. Barretts Interchange. (I 15-S. of Dillon.).
5	I-IG 15-2 (16) 126 U2 & I 115-2 (2) 126 U2	6-30-65	Five structures, two prestressed concrete beam overpasses, one 301 & 321-ft. M&P RY. & Chs&P RY, three steel & concrete overpasses, one 442 & 489-ft. NP RY. & Clark Fork, one 244-ft. W. Butte Interchange. (I 15-Butte W.).
	I-IG 15-2 (16) 126 U3	6-30-65	2.2 miles fencing. (I 15-Butte W.).
	I 115-2 (2) 126 U3	6-30-65	0.4 miles fencing. (I 15-Butte W.).
	I-IG 15-2 (16) 126 U4	6-30-65	Dual 403-ft. steel & concrete overpasses - NP RY & CM&TP&P RY. (I 15 - Butte W.).
	I-IS 15-2 (18) 131 U1	7-31-66	3.6 miles grade, drain, cement stabilized base, aggregate & plant mix bituminous surfacing. One 230-ft. steel & concrete overpass NP RY. Signing. (New alignment I 15-Butte N.E.).
	I-IG 15-2 (18) 131 U2	9-30-65	3.6 miles fencing. (New alignment I 15-Butte N.E.).
	I 15-2 (19) 126	6-30-65	5.5 miles signing, delineation & lighting. (I 15-W. of Butte E.).
6	I 94-1 (7) 50	6-30-65	1.3 miles signing & delineation. (New alignment-S.W. of Hysham).
	I 94-2 (7) 53	6-30-65	10.2 miles signing & delineation. (New alignment I 94 - S.W. of Hysham.).
7	I 90-1 (11) 280	6-30-65	8.2 miles seeding & mulching. (U.S. 10-N. & S. of Deer Lodge.).
8	I 90-6 (13) 296 U1	9-15-65	8.4 miles, grade, drain, cement base stabilization, aggregate surface, Portland Cement Concrete Pavement & plant mix bituminous surface. Four prestressed concrete beam structures, dual 113-ft. overpass-County Road, dual 245-ft. underpasses - U.S. 10-W. Bozman Interchange. (New alignment - I 90-Belgrade to Bozeman.).
	I 90-6 (13) 296 U2	9-15-65	8.4 miles fencing. (New alignment I 90-Belgrade to Bozeman.).
	I-IG 90-6 (14) 287 U1	9-30-65	9.5 miles four-lane divided, grade, drain, cement stabilized base, aggregate surface, Portland Cement Concrete Pavement & plant mix bituminous surface. Signing. (New alignment I 90-Manhattan to Belgrade.).
	I 90-6 (13) 296 U3	9-30-65	8.4 miles signing. (New alignment I 90-Belgrade to Bozeman.).
	I-IG 90-6 (14) 287 U2	9-30-65	9.5 miles fencing. (New alignment I 90-Manhattan to Belgrade.).
	I-IG 90-6 (14) 287 U3	7-31-65	Five prestressed concrete beam structures, dual 113-ft. Heeb Lane Separation, dual 113-ft. Central Park South Separation, one 235-ft. Belgrade Interchange. (New alignment-Manhattan to Belgrade.).
	I-IG 90-6 (14) 287 U4	7-31-65	Six prestressed concrete beam structures, dual 82-ft. Camp Creek, dual 92-ft. Baker Creek, dual 205-ft. west Gallatin River. (New alignment I 90-Manhattan to Belgrade.).
9	IG 90-8 (29) 395	6-30-65	Remove 208-ft. steel overpass - NP RY. (Old alignment U.S. 10-W. of Columbus).
10	I 15-5 (25) 238	6-30-65	15'4" S. & 10'4" R. Structural Plate pipe arch culvert. (U.S. 91-W. of Wolf Creek.).
11	I 90-1 (16) 43	6-30-65	6.7 miles seeding & mulching. (U.S. 10-W. & S. of Superior.).
12	I-IG 90-4 (7) 205 U1	6-30-65	4.5 miles four-lane divided, grade, drain, cement stabilized base, surface & plant mix bituminous surfacing. Frontage Roads. Rest areas, signing & delineation. (U.S. 10-S. of Deer Lodge.).
13	I 90-2 (22) 108	6-30-65	Four continuous welded steel plate girder bridges, dual 455 ft. & dual 404 ft.-Clark Fork. (New alignment - I 90-W. of Bonner E.).
14	I-IG 90-8 (17) 433 U3	6-30-65	5.3 miles fencing. (New alignment I 90-Laurel E.).
	I 90-8 (24) 433	7-1-65	5.3 miles signing & delineation. (New alignment - I 90-Laurel E.).
16	I-IG 90-2 (18) 82	6-30-65	One 981-ft. welded steel plate girder bridge-Clark Fork & CM&TP&P RR. (U.S. 12-E. of Alberton.).
	I-IG 90-2 (21) 80 U1	6-30-65	4.3 miles (2.6 miles four-lane divided) grade, drain, surface, plant mix bituminous surface. Signing. (U.S. 10-E. of Alberton.,
	I-IG 90-2 (21) 80 U2	6-30-65	4.3 miles fencing. (U.S. 10-E. of Alberton.).
17	I 15-6 (8) 307	9-30-65	One 346-ft. prestressed concrete beam bridge-Teton River. Road approaches to bridge. (I 15-N. of Dutton.).
18	I-IG 15-5 (20) 273	7-1-65	3.0 miles four-lane divided, grade & drain. (New alignment - I 15-In Great Falls.).
	I 15-5 (22) 273	11-30-65	Dual 483-ft. prestressed concrete beam bridges - Sun River. (New alignment - I 15-In Great Falls.).
	I 15-5 (26) 271 U1	9-15-67	2.0 miles four-lane divided, grade, drain, cement stabilized base, aggregate & plant mix bituminous surface. Sign. Three prestressed concrete beam structures - one 240-ft. Gore Hill Interchange - one 296-ft. Spur Interchange - one 318-ft. County Road Separation. (New alignment - I 15 - Great Falls S.).
	I-IG 15-5 (31) 273 U1	9-15-67	3.0 miles four-lane divided, cement stabilized base, aggregate surface, concrete paving, plant mix bituminous surface. Signing. (New alignment - I 15 - In Great Falls).
	I-IG 315-5 (3) 272 U1	9-15-67	0.6 mile four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Signing. (New alignment - I 315 - S. of Great Falls).
	I 15-5 (26) 271 U2	9-15-67	2.0 miles fencing. (New alignment - I 15 - Great Falls S.).
	I-IG 15-5 (31) 273 U2	9-15-67	3.0 miles fencing. (New alignment - I 15 - In Great Falls).
	I-IG 315-5 (3) 272 U2	9-15-67	0.6 miles fencing. (New alignment - I 315 - S. of Great Falls).
	I-IG 315-5 (3) 272 U3	7-31-66	Three structures. Dual 126-ft. prestressed concrete beam - Bridge St. Separation. One 206-ft. steel & concrete - GN RY. (New alignment - I 15 - S. of Great Falls).
	I-IG 15-5 (28) 274 U1	7-31-66	One 265-ft. prestressed concrete beam structure - Central Avenue Interchange. (New alignment - I 15 - In Great Falls).
	I-IG 15-5 (27) 274	7-31-66	Five prestressed concrete beam structures. Dual 123-ft. -5th Avenue. One 245-ft.-Underpass-34th Street. Dual 350-ft.-Emerson Junction Interchange & GN RY. (New alignment - I 15 - In Great Falls).
	I-IS 15-5 (28) 274 U2	10-31-66	Dual (168 & 480 ft.) welded steel plate girder overpass - NP RY. (New alignment I 15 - In Great Falls).
19	I-IG 90-6 (15) 276	6-30-65	10.5 miles cement stebilized base, aggregate surfacing, concrete pavement & signing. (U.S. 10 - E. of Three Forks).
22	I 90-8 (22) 444 U1	9-15-65	3.0 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Sign. Two prestressed concrete beam structures. One 215-ft. underpass-Billings Boulevard Separation. One 304-ft.-Sugar Avenue Separation. (New alignment - I 90-S. of Billings).
	I 90-8 (22) 444 U2	9-15-65	3.0 miles fencing. (New alignment - I 90-S. of Billings).
	I-IG 90-8 (23) 447 U3	9-15-67	3.6 miles fencing. (New alignment - I 90-E. of Billings).
	I-IG 90-8 (23) 447 U2	9-15-67	3.6 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Six prestressed concrete beam structures. Dual 220-ft. underpass -Billings 27th Street Interchange, Dual 146-ft.-Montana Power rail spur, Dual 276-ft.-underpass-Lockwood Plata Interchange. (New alignment-I 90-E. of billings.).
	I 90-8 (25) 438	7-1-65	6.1 miles signing & delineation. (U.S. 10-S.W. of Billings).
	I 90-8 (19) 443 U1	7-1-65	1.2 miles grade, drain, aggregate & plant mix bituminous surface. Signing & delineation. (U.S. 10-west billings Interchange.).
	I 90-8 (19) 443 U2	7-1-65	1.2 miles fencing. (U.S. 10-West Billings Interchange).
23	I 15-1 (18) 210 U1 & I 15-1 (21) 210	7-31-65	2.1 miles four-lane divided, grade, drain, surface, plant mix bituminous surfacing & signing. (U.S. 91-S. of Wolf Creek).
	I 15-1 (18) 210 U2	7-31-65	2.1 miles fencing. (U.S. 91-S. of Wolf Creek).
	I 15-1 (20) 212 U1	9-15-65	5.8 miles grade, aggregate surface, plant mix bituminous surfacing & signing. Rest area. (U.S. 91-Wolf Creek S.).
	I 15-1 (20) 212 U2	6-30-65	5.8 miles fencing. (U.S. 91-Wolf Creek S.).
	I 15-1 (20) 210	6-30-65	Dual 514-ft. Steel Bridge. Little Prickly Pear Creek. (U.S. 91-Wolf Creek S.).
	I 15-1 (25) 218 U1	7-15-66	2.7 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Sign. Dual 113-ft. prestressed concrete beam everpass-Wolf Creek Interchange. One 90-ft. steel bridge-Little Prickly Pear Creek on approach to Wolf Creek Interchange. One 190-ft. steel underpass-Auguste Interchange. (New alignment I 15-Wolf Creek N.E.).
	I 15-1 (25) 218 U2	7-15-66	2.7 miles fencing. (New alignment I 15-Wolf Creek N.E.).
24	I 90-3 (12) 151 U1	11-30-65	6.7 miles grade, drain, aggregate & plant mix bituminous surface. Signing. Weigh Station. (I 90 & U.S. 10-Drummond Section).
	I 90-3 (12) 151 U2	11-30-65	6.7 miles fencing. (I 90 & U.S. 10-Drummond Section).
	I 90-3 (12) 151 U3	10-31-65	Four dual prestressed concrete beam overpasses. Dual 123-ft.-West Drummond Interchange. Dual 128-ft.-Edwards Gulch Separation. Dual 133-ft.-East Drummond Interchange. Dual 128-ft.-Other Route 271 Separation. (I 90 & U.S. 10-Drummond Section).
25	I 15-8 (11) 383 U2	6-30-65	4.5 miles fencing. (U.S. 91-Sweetgrass S.).
27	I 90-1 (21) 67	8-30-65	One 807-ft. continuous welded plate girder bridge-Clark Fork. (U... 10-W. of Alberton).
	I 90-1 (22) 71	6-30-65	One 762-ft. continuous welded plate girder bridge-Clark Fork. (U.S. 10-W. of Alberton).
	I-IG 90-1 (27) 65 U1	8-30-65	6.6 miles grade, drain, aggregate & plant mix bituminous surface. Signing. (U.S. 10-W. of Alberton).
	I-IG 90-1 (28) 72 U1	8-30-65	3.7 miles, grade, drain, aggregate & plant mix bituminous surface. Frontage Road. Rest area. Signing. (U.S. 10-W. of Alberton).
	I-IG 90-1 (27) 65 U2	7-31-65	6.6 miles fencing. (U... 10-W. of Alberton).
	I-IG 90-1 (28) 72 U2	7-30-65	3.7 miles fencing. (U... 10-W. of Alberton).
	I-IG 90-1 (26) 66	7-1-65	Three structures. One 445-ft. steel & concrete overpass-CM&TP&P RR. & Frontage Road. One 338-ft. steel & concrete overpass - NP RY. One 198-ft. prestressed concrete underpass-Fish Creek Interchange. (U... 10-W. of Alberton).
28	I 90-1 (25) 59	10-31-65	One 826-ft. welded plate girder bridge-Clark Fork. (U... 10-S.E. of Superior).
	I 90-1 (24) 54	8-31-65	One 757-ft. welded plate girder bridge-Clark Fork. (U.S. 10-S.E. of Superior
	I 90-1 (30) 50 U1	7-1-65	3.9 miles four-lane divided, grade, drain, aggregate surface & plant mix bituminous surface. Signing. One 17-ft. concrete junk. grade separation. (U... 10-S.E. of Superior).
	I 90-1 (30) 50 U2	7-1-65	3.9 miles fencing. (U.S. 10-S.E. of Superior).
	I 90-1 (31) 54	11-30-65	One 757-ft. continuous welded steel plate girdar bridge-Clark Fork. (U.S. 10-S.E. of Superior).
	I 90-1 (32) 59	11-30-65	One 826-ft. continuous welded steel plate girder bridge-Clark Fork. (U.S. 10-S.E. of Superior).
29	I 94-6 (7) 216	6-30-65	4.2 miles signing. (U.S. 10-E. of Glendive).
	I 94-6 (8) 221 U1	6-30-65	12.8 miles grade, drain, aggregate & plant mix bituminous surface. Widen one 106-ft.Griffith Creek -bridge One 123-ft. preatressed concrete beam bridge-Hodges Road Separation. (U.S. 10-E. of Glendive). Signing & delineation
	I 94-6 (9) 221	11-30-65	12.8 miles (115.9 acres) grass seeding. (U.S. 10-E. of Glendive).

MAP INDEX NUMBER	PROJECT NUMBER	PROBABLE COMPLETION DATE	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID PRIMARY PROJECTS		
101	F 33 (6) & F 108 (9)	6-30-65	6.0 miles grade, drain, aggregate & plant mix bituminous surface. (U... 87-S. of Roundup).
102	F 238 (10)	7-15-66	1.9 miles grade, drain, aggregate & plant mix bituminous surface. Sign. (Montana 287-Wolf Creek N.).
103	F 64 (10)	6-30-65	0.2 mile repair of slide drainage. (U... 87-S. of Belt).
	F 239 (13)	9-15-65	2.2 miles (0.1 mile Portland Cement Concrete pavement, grade, drain, aggregate surface & plant mix bituminous surface. (U.S. 12-White Sulphur Springs N.E.).
	F 8 (11)	9-15-65	5.2 miles grade, drain, aggregate surface & plant mix bituminous surface. Widen 25-ft. timber bridge-Four Mile Creek to 40 ft. roadway. (U.S. 12-White Sulphur Springs N.E.).
105	F 262 (14)	7-15-65	9.6 miles grade, drain, aggregate & plant mix bituminous surface. Two prestressed concrete beam bridges. One 102-ft.-Thompson Creek. One 142-ft.-Little Missouri River. (U.S. 212-Wyoming Line N.e.).
106	F-FG 68 (12) U1	6-30-65	2.7 miles (four-lane divided) grade, drain, surface, plant mix bituminous surface. Signing & delineation. (U.S. 10A-E. of Anaconda).
107	F 134 (7)	6-30-65	0.7 miles signing & delineation. (U.S. 212-Laurel S.).
108	U 388 (8)	9-15-67	0.2 miles four-lane divided, grade, drain, aggregate & plant mix bituminous surface. Sign. (U.S. 91-S. of Great Falls).
109	F 220 (8)	7-16-65	3.3 miles grade, drain, aggregate surface, & plant mix bituminous surface. (U... 2-E. of Cut Bank).
	F 154 (6)	7-16-65	4.2 miles grade, drain, aggregate surface, & plant mix bituminous surface. (U.S. 2-E. of Cut Bank).
110	F 148 (8)	6-30-66	Three prestressed concrete beam bridges. One 172-ft.-Beaver Creek. One 355-ft.-Milk River. One 143-ft.-Milk River Overflow. (U.S. 2-E. of Saco.).
	F 148 (9)	6-30-66	7.6 miles grade, drain, aggregate & plant mix bituminous surface. (U... 2-E. of Saco).
111	F 69 (11)	10-31-66	0.4 mile grade, drain, aggregate & plant mix bituminous surface. Sign. (U.S. 10-Whitehall approach to I-90.).
114	F 86 (24)	11-15-65	11.8 miles grade, drain, aggregate & plant mix bituminous surface. (U.S. 12-N. of Miles City).
113	F 217 (11)	10-15-65	9.2 miles grade, drain, aggregate & plant mix bituminous surface. Relocation portion of NP RY tracks. (U.S. 89-S. of Livingston).
114	F 205 (8) U1	11-30-65	1.3 miles grade, drain, aggregate & plant mix bituminous surface. Signing. (U.S. 10A-New alignment-Drummond South).
	F 205 (8) U2	10-31-65	Three prestressed concrete beam structures. One 301-ft.-Clark Fork. One 163-ft.-CM&TP&P RY. One 188-ft.-NP RY. (U... 10A-New Alignment-Drummond S.).
115	U FG 228 (16)	6-30-65	1.5 miles grade, drain, cement stabilized base, surface, concrete pavement, plant mix bituminous, seal coat oil. One concrete underpass - NP RR. (U.S. 10-in Billings).
	F 228 (19) U1	7-1-65	0.6 miles grade, drain, aggregate & plant mix bituminous surface. Signing & delineation. (U.S. 10-west Billings Interchange).
	F 228 (19) U2	7-1-65	0.6 mile fencing. (U.S. 10-west Billings Interchange).
116	F 260 (10)	7-1-65	0.5 miles, grade, drain, aggregate & road-mix bituminous surface. Support wall for slide area correction. (U... 2-E. of W. Glacier).
117	F 135 (14)	8-4-65	8.6 miles grade, drain, aggregate & plant mix bituminous surface. Signing & lighting. (U.S. 12-Harlowton E.).
118	F 149 (21) & F 395(9)	6-30-65	Lighting & signals. (U... 87 & ByPass Junction-Great Falls).
	F 180 (7)	6-30-65	Lighting & signals. (U... 87-E. of Great Falls).
119	F 193 (16)	9-15-65	1.6 miles grade, drain, aggregate & plant mix bituminous surface. (Montana 5-In Plentywood).
120	F 111 (6)	6-30-65	2.4 miles signing & delineation. (U.S. 10-Bypass Connection to Interstate 94.).
121	ER 53 (5) (F 208)	6-30-65	Repair flood damaged 122-ft. prestressed concrete beam bridge-Kennedy Creek & Road Approaches. (U... 87-W. of Browning).
122	ER 57 (2) (F 236)	6-30-65	0.2 mile repair flood damage, grade, drain, aggregate & bituminous surface treatment. Install 12'10"S x 8'4"R. x 82" C.M.P.A.A.A... Culvert & Cartwright Coulee. (U.S. 87-N. of Dupuyer).
123	F 191 (20) U1	6-30-65	7.3 miles (2.5 miles grade & drain) surface, plant mix bituminous & seal coat oiling. (U... 93-N. of Polson).
124	F 246 (13)	6-30-65	9.2 miles grade, drain, aggregate & plant mix bituminous surfacing. (Montana 200 - S.E. of Circle).
125	F 2 (17)	6-30-65	24.4 miles aggregate & plant mix bituminous surfacing. (Montana 7-N. of Baker).
126	ER 59 (3)	7-31-65	One 163-ft. prestressed concrete beam bridge-Deep Creek. Road approaches. (Montana 287-S. of Choteau).
127	F 182 (15)	6-30-65	1.1 miles seeding & mulching. (U.S. 10-N. of Deer Lodge).
128	EmFO 41 (1) **	1965	1.0 mile grade, drain, aggregate & plant mix bituminous surfacing. One 36-ft. concrete slab bridge-Cougar Creek. (U... 1/1 N. of W. Yellowstone).
129	F 251 (11)	9-15-65	7.6 miles grade, drain, aggregate & plant mix bituminous surface. (Montana 5-Scobey E.).
130	F 27 (6) & F 28 (5)	9-15-65	6.1 miles grade, drain, aggregate & plant mix bituminous surface. (U... 87-S. of Grass Range).
131	F 43 (17)	6-30-65	15.9 miles plant mix bituminous surface. (Montana 43-W. of Wisdom).
132	F 53 (13) & F 230 (9)	6-30-65	2.1 miles, four-lane median divided grade, drain, aggregate & plant mix bituminous surface. (U.S. 10-Billings E.).
133	ER 57 (6) (F 236)	6-30-65	0.3 mile grade, drain, aggregate & bituminous treatment, bridge approaches. One 12-ft. prestressed concrete beam bridge-Dupuyer Creek Overflow. (U... 87-N. of Dupuyer).
134	F 215 (12) U1	11-30-65	One 122-ft. prestressed concrete beam bridge-Lolo Creek. (U... 93 - S. of Lolo).
135	ER 59 (2) (F 65)	9-30-65	One 60-ft. prestressed concrete beam span addition to existing 165-ft. concrete & steel pony truss bridge-Teton River. (U.S. 87-S. of Choteau.
136	SMP L220-01-4310-01-23-4030	6-30-65	Repair drainage system & retaining wall of underpass - GN RY. (Ment. 13W - In Wolf Point).
137	F 191 (28)	10-31-66	One 130-ft. prestressed concrete beam bridge-Flathead River. One mile grade, aggregate & plant mix surface approaches. (U... 93-Polson e.).
138	F 9999 (2)	12-1-65	348.7 miles signing & delineation. Signals & channelization of three intersections in Helena. (U.S. 12-Harrison to Forsyth).
139	ER 50 (2) (F 252)	6-30-65	Fill repair and bank protection along Teton River. (U... 87-N. of Fort Benton).
140	ER 57 (7) (F 236)	9-30-65	0.3 mile grade, drain, aggregate & bituminous surface treatment surface. One 82-ft. prestressed concrete beam bridge-Veller Irrigation Canal. (U... 87-N. of Dupuyer).
	ER 54 (1) (F 235)	6-30-65	Fill repair and bank protection along Otter Creek. (U... 87-W. of Stanford).
	FEDERAL AID SECONDARY PROJECTS		
201	S 340 (8)	8-15-65	4.4 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Chinook).
202	S 58 (6)	8-31-65	1.1 miles grade, drain, aggregate & plant mix bituminous surface. One 650-ft. welded plate girder bridge - Flathead River. One 128-ft. prestressed concrete beam overpass - NP RY. (Perma North).
203	R-AD 11 (1) & S 368 (16)	9-15-65	14.9 miles grade, drain, aggregate & plant mix bituminous surface. Widen to 30-ft. roadway bridge over East Fork Cherry Creek. (Glasgow N.).
204	S 316 (11)	6-30-65	7.6 miles grade, drain, aggregate & plant mix bituminous surfacing. (N. of Jut Bank).
205	S 318 (4) & S 347 (11) *	8-31-65	8.2 miles grade, drain, aggregate & plant mix bituminous surfacing. (Bzanka S.).
206	S-SG 192 (4) U1	7-1-65	1.0 mile grade, drain, aggregate & plant mix bituminous surfacing. Signing & delineation. (Connection to W. Billings Interchange).
	S-SG 192 (4) U2	7-1-65	1.0 mile fencing. (Connection to W. Billings Interchange.).
	S-SG 192 (5)	6-30-65	One 190-ft. prestressed concrete beam overpass-NP RY. (U.S. of Billings).
207	S 35 (13)	10-30-65	10.2 miles grade & drain. (W. of Dillon).
208	S 18 (6)	6-30-65	7.3 miles grade, drain, aggregate & plant mix bituminous surfacing. One 112-ft. prestressed concrete beam bridge-Susasieshell River. (Twolot S.).
209	S 237 (3)	9-1-65	5.9 miles grade, drain, aggregate & plant mix bituminous surface. (Jct. with I 15 9-01-65 E. - E. of Kevin).
210	S 2 (7)	6-15-65	0.2 miles aggregate & plant mix bituminous surface. (Junction Montana 206.).
211	EmFO 41 (1) **	1965	15.6 miles grade, drain, aggregate & plant mix bituminous surfacing. Two concrete slab bridges. 75-ft. Grayling Creek & 142-ft. Beaver Creek. Widen 83-ft. concrete girder bridges-Cabin Creek. (N.W. of W. Yellowstone).
212	S-SG 218 (2)	9-30-65	0.6 miles grade, drain, aggregate & plant mix bituminous surfacing. One 34-ft. concrete underpass-Dakota Street. Two 38-ft. steel underpasses-CM&TP&P RR. (Russell St.-S. of Missoula).
213	S 301 (13)	6-30-65	5.0 miles grade, drain, aggregate & plant mix bituminous surface. (N.W. of Havre).
214	S 65 (7)	7-1-65	4.9 miles aggrevate & plant mix bituminous surface. (S. of Big Fork).
215	NDM S 370 (13)	6-30-65	Reset 239 rods of fence. (W. of Alsell).
216	S 307 (14)	7-31-65	6.1 miles grade, drain, aggregate & plant mix bituminous surface. Widen three timber bridges to 28-ft.-Little Battle Creek, two 75-ft.-Butte and Cowboy Steel Creek. (S.E. of Geraldine).
	S 307 (15)	7-31-65	5.1 miles grade, drain, aggregate & plant mix bituminous surface. (S.E. of Geraldine).
217	S 264 (4)	6-30-65	Install 120" Structural Plate Pipe. (N. of Van Norman).
218	S 417 (3)	7-30-65	7.3 miles grade, drain, aggregate & plant mix bituminous surface. (S.E. of Plentywood).
219	S 85 (00) U2 & S 85 (3) U2	6-30-65	Three prestressed concrete beam bridges. One 92-ft. & 71-ft.-Horse Prairie Creek. One 71-ft.-Medicine Lodge Creek. (Armstead e.).
220	S 192 (7)	7-1-65	3.2 miles grade, drain, aggregate & plant mix bituminous surface. (N.E. of Laurel).
221	S 410 (3)	9-1-65	6.6 miles grade & drain. (N. of Troy).
222	S 405 (3)	10-15-65	7.9 miles grade, drain, aggregate & plant mix bituminous surface. One 163-ft. prestrussed concrete beam bridge-Spring Creek. (Hanover E. & e.).
223	ER 53 (4) (FAS 266)	6-30-65	One 173-ft. prestressed concrete beam bridge - Cut Bank Creek. (N. of Browning).
224	S 413 (3)	6-30-65	1.4 miles grade, drain, aggregate & plant mix bituminous surface. One 142-ft. prestressed concrete beam bridge-Flint Creek. (S. of Drummond E.).
	S 414 (3)	6-30-65	2.5 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Drummond e.).
225	ER 53 (5) (FAS 249)	6-30-65	One 163-ft. prestressed concrete beam bridge - Cut Bank Creek. (N.W. of Browning).
226	ER 57 (4) (S 193)	6-30-66	One 285-ft. prestressed concrete beam bridge-Bird Creek. (N.W. of Valier).
227	S 328 (2) (Non-Part.)	6-30-65	Repair one 173-ft. prestressed concrete beam bridge-W. Fk. Bitterroot River. (S. of Darby).
228	ER 50 (3) (S 339)	6-30-65	Channel clearing, bridge bars repair and bank protection of 246-ft. Steel & Concrete bridge - Teton River. (N.W. of Fort Benton).
229	S 419 (3)	8-30-65	0.9 miles grade, drain, aggregate surface. 0.7 miles plant mix bituminous surface. (Approach I 90 separation-W. of Alberton).
230	S 9 (10)	6-30-65	3.7 miles reshape, aggregate & plant mix bituminous surface. Widen timber bridge to 32-ft. roadway. (N.E. of Conrad).
237	S 107 (9)	6-30-65	7.0 miles grade, drain, aggregate & plant mix bituminous surface. (Montana 200 - S.E. of Circle).
238	S 100 (3)	6-30-65	0.4 miles grade & drain. (S. of Hamilton E.).
	S 100 (4)	6-30-65	0.4 miles aggregate & plant mix bituminous surface. (S. of Hamilton E.).
239	S 426 (4)	8-31-65	0.2 mile grade, drain, aggregate surface, approaches to Callatin River Bridge. (N.E. of Manhatten).
240	S 415 (3)	6-30-65	6.0 miles grade, drain, aggregate surface. One 92-ft. prestressed concrete beam bridge-Lake Creek. (E. of Medicine Lake).
241	S 194 (4)	6-30-65	0.3 miles grade, drain, aggregate surface. One 223-ft. prestressed concrete beam bridge-Box Elder Creek. (E. of Ekalaka).
242	S 243 (3)	7-31-65	6.5 miles grade, drain, aggregate & plant mix bituminous surface. (S. of Bozeman).
243	S 388 (5)	6-30-65	9.5 miles grade, drain, & aggregate surface. (N.E. of Kilve City).
244	US 70 (4)	8-15-65	0.7 miles grade, drain, aggregate & plant mix bituminous surface. (Fifth Avenue In Havre).
	S 402 (3)	6-30-65	7.8 miles grade, drain, surface, plant mix bituminous & seal coat oiling. (N.E. of Culbertson).
	OFF SYSTEM PROJECTS		
	GNP 8-A4 *	1965	One 403-ft. prestressed concrete beam bridge-N. Fk. Flathead River. (In Glacier Park).
	GNP 8-A5 *	1965	8.5 miles grade, drain & base. (In Glacier Park).
302	EmFO 63 (1) *	1966	Reconstruct seven bridges & repair one bridge. (In Glacier Park).
303	EmFO 66 (2) *	1965	One 201-ft. treated timber bridge-McDonald Creek. (In Glacier Park).

* - Bureau of Public Roads Projects.
** - Bureau of Public Roads Projects. - Map Index Numbers 128 & 211 one contract.

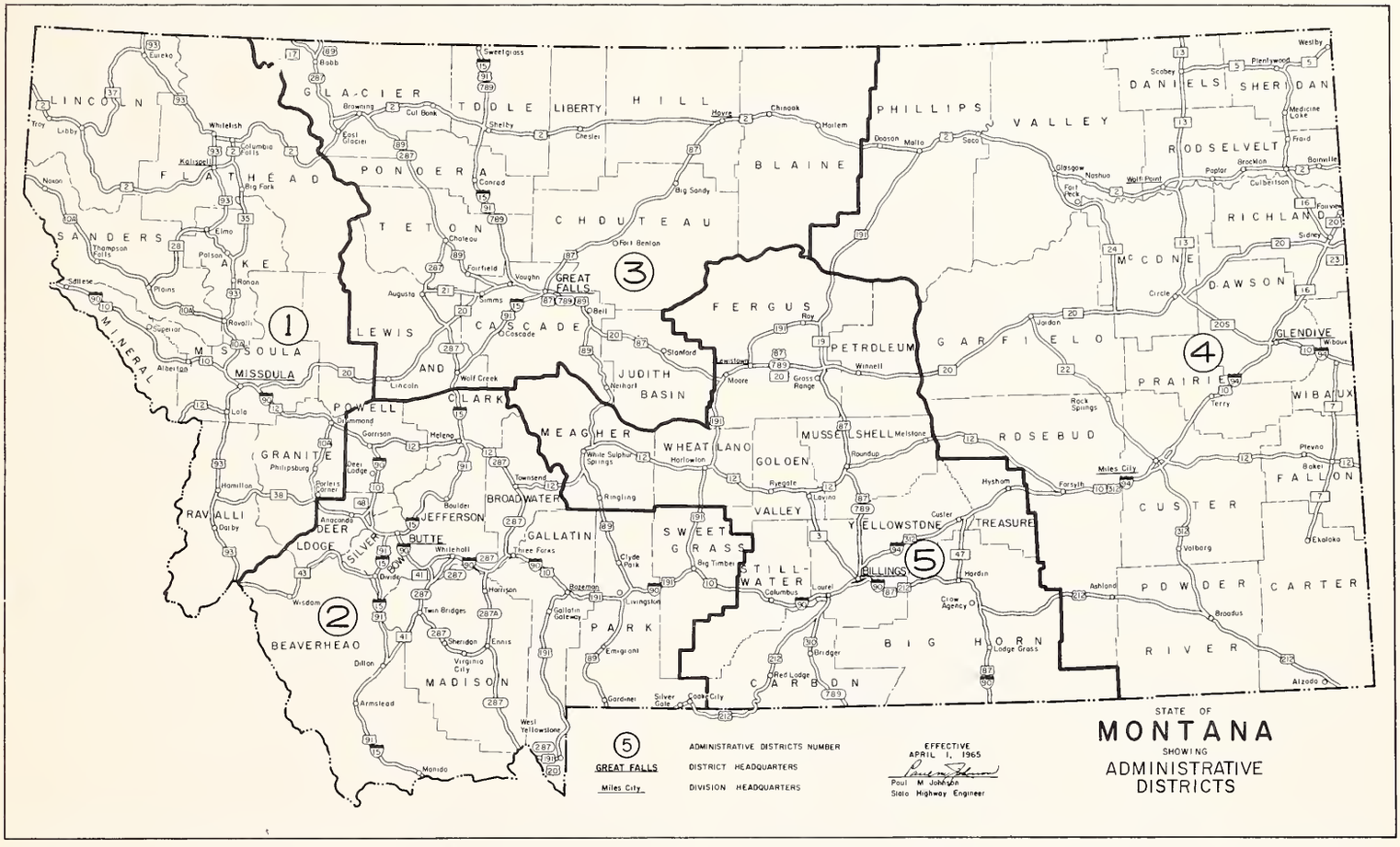
MONTANA REDISTRICTED

In the interests of more efficient operation, the MHD has been re-districted, as of April 1.

Where previously there had been six districts, there are now five, which will provide a more logical grouping, and a better correlation of the Administrative to the Financial and Commissioner districts.

Under the new set-up, the Lewistown district has been eliminated, and that division is now under the Billings district. Milo Lahn has been transferred to Billings from Lewistown.

The new Administrative district map is reproduced herewith.



ANOTHER COMPLIMENT RECEIVED

Mr. and Mrs. Hobart Hall, of the Meadow Mountain Ranch near Libby, wrote a letter to the MHD which we reproduce in part, with thanks for their thoughts.

"This terrible winter will soon be over, but it is not one to be soon forgotten. We have lived in Montana a half century and feel we understand the problems of keeping the roads open. So it is with gratitude we tender our thanks to the maintenance crew you have here on Highway No. 2. Surely they deserve a show of recognition for the splendid and at times, heroic work it required.

"We feel this section the best looked-after in this part of the state, and please accept our thanks to you for your part so well done."

NEWS FROM THE DIVISIONS

Bozeman

By Florence Hulbert

"It's a boy!" The Warren Pitman's are proud parents of Brett Edward, born March 7, and weighing 7 lbs. 4 oz. They also have another small boy. Warren is a Lab Tech III with the Bozeman division.

Wedding bells rang, and another young man in our division decided against continued bachelorhood. Edwin E. Howard, Eng. Aide II and Jackie Watt took the vows on March 12. Congratulations!

The Inspectors Training school was held in our division's Soil Lab beginning March 3. This is the same school held in all other divi-

sions, and brought together those who do the actual testing and inspection work.

Division personnel, including engineering aides and rodmen, were split into three groups and each group attended a three-day school.

Subjects covered were grading inspection, compaction testing, crushed materials and aggregate testing.

According to John Walsh, Training-in-Service engineer from the Helena headquarters, approximately 500 Engineering Aides and Rodmen attended the schools throughout the state. He also said that the followup on these schools will be the distribution of a "Construction Inspectors Manual" to all field personnel. These are to be with the inspector at all times while on inspection so that he may familiarize himself with it when construction activity is slack or has been delayed. The manuals are expected to be available very soon.

Missoula

By Clara Neely

We were all saddened to hear of the untimely passing of Robert "Bobby" Hughes, son of Mr. and Mrs. Julian Hughes, project engineer.

Bob graduated from Glasgow High School in 1961, and while working on a ranch near Opheim, was kicked by a horse, which injury proved fatal.

Our sincerest sympathies to Mr. and Mrs. Hughes.

Billings

By James M. Young

With the open spring, survey crews are rapidly completing location work on many miles of Interstate, Primary and Secondary projects. Almost 20 miles of F and S highways will soon be ready for the traveler in the Billings area.

Bill Woolston and crew have completed location of 7½ miles of Secondary northwest of Laurel.

Don Kettelson and crews will soon complete a 12-mile survey from Rockvale to Red Lodge. Dan White, Soils Engineer, has conducted an educational program for all employees from Engineering Aide to Rodman.

Over 70 employees have been carefully trained in sampling and gravel testing, to prepare them for the coming construction season.

Vern Gray of Helena, Assistant Safety Coordinator, instructed the Engineering and Maintenance crews in Self-Help and First Aid. The training covered regular first aid for emergencies, and also included the self-help training necessary for survival during confinement in a bomb shelter during an atomic attack.

Instructor Kenneth Hartman reports the Basic Engineering course has been completed, and that this group has been one of the best he has instructed.

Havre

By L. A. Horvick

We welcome Kiernan Minehan, project engineer, who has recently transferred from Missoula to the Browning area to work on a number of ER projects of bridge construction and repair.

Kiernan states that he likes the ideal weather conditions in this area: below zero temperatures, blizzards, lots of snow and ice.

Glendve

By Janice Rikustad

Employees here are welcoming a new employee, Robert H. Walker, who is Raymond Sampson's new helper in the Richey area. Bob is 39 years old, and has lived in this area most of his life. He is married and has three children, Robert, Peggy and Linda.

A farewell salute to Kenneth D. Thompson, his wife Janet and daughter Lori. Ken, an appraiser for the R/W here has accepted a similar position in Las Vegas. We are at a loss to understand why he would prefer living there to Glendive, but perhaps he wishes to expand his appraisal experience to include that of a stack of chips in a one-armed bandit atmosphere.

A two-day seminar was conducted here on March 15-16 by Ed Jonutis, Soils Engineer assisted by Jack Walsh, Training-in-Service Engineer from Helena; L. H. Richter, Assistant Materials Engineer; Bill Purvis, Assist-

ant Construction Engineer; Wayne N. Monte, Resident Engineer and Ed Kessell, Lab Tech.

Demonstrations on various AASHO tests in soils and gravel were conducted by Gene Vest and Wayne Scott. Twenty-four field personnel, plus the local lab people, and the material men from Miles City and Wolf Point divisions, were in attendance.

The school was conducted primarily for the purpose of bringing about uniformity throughout the state on methods of testing, sampling, and completing test results on various forms. Information covered consisted of inspectors duties on grade inspection, testing at crushers, plant inspection, concrete paving, culvert inspection, seeding, fencing and guard rail inspection.

Butte

By Cheryl Engdahl

District Engineer Richard B. Dundas, R/W Supervisor James Keyes, and the entire R/W gang, plus Jim McKay from Great Falls, honored Dell McConnell on February 25, who retired.

Jim Keyes paid tributee to Dell for his faithful and untiring services as R/W agent since 1957. The honored guest was presented with an Alligator wallet.

The welcome mat is out to Gary Toftley who recently joined the R/W staff, and who also is receiving congratulations on behalf of his wife, who presented him with a baby girl.

This is one of the groups who attended the construction inspectors school in Butte. Instructors for the five classes were Lynn Jensen, Wm. Doble, Chuck Osborne, Carl Hussein, Pete Cassidy and Dick Matthew.

Lewis Guidoni has retired after 24 years with the MHD. He started out as a truck driver and was stockman at the time of his retirement. His wide variety of interests include raising geese and fishing. He is an ardent bowler.

We all wish him well in the years to come.

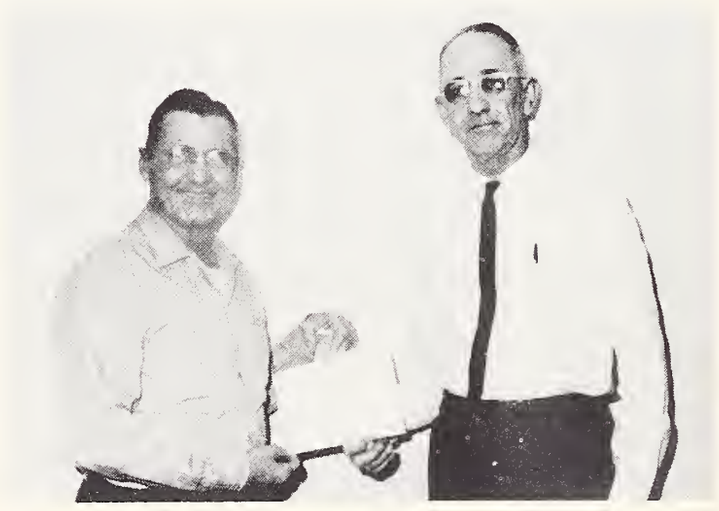
Great Falls

By Richard A. Berg

Boys will be boys! Two local employees will miss this year's marble season because of knee injuries. Edward "Chester" Strainer hurt his knee while toboganning, and Robert Hamilton dislocated his during one of Dick Berg's basic engineering classes.

Sympathy is extended to John O. McMasters, shop mechanic, who had a back operation in Rochester. He will be off for about six months.

Congratulations to Floyd Grubb for his recent promotion to Instrumentman.



District Engineer B. B. Briscoe is shown presenting Pete Hilt with his 35-year certificate and pin. Pete is Great Falls Division Maintenance Foreman.

The Great Falls Chapter of the Montana Society of Appraisers was formed on March 8 with Lyle W. Baxter, former District R/W supervisor in Billings, being elected as president; Norman C. Dalry, District R/W supervisor in Great Falls as Secretary-Treasurer; James McKay, R/W agent in Great Falls, as Director.

Other charter members include John F. Arps and Lowell Meyers, R/W agents.

One of the objectives of the organization is licensing of all professionals involved in real estate transactions. Membership in MSA is statewide and open to anyone actively engaged in appraising or buying and selling real estate.

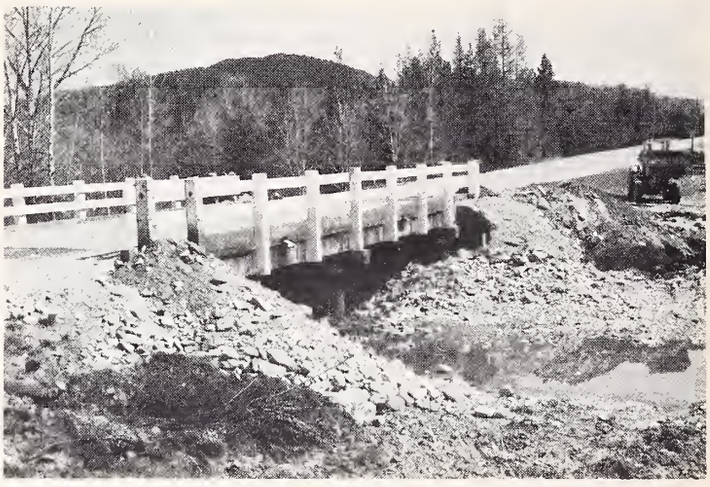
LEWISTOWN
By Bea Knerr

Another Highway "youngster" makes good. Valerie Gale Rimel, senior at Wibaux County High School, won a $500 scholarship as runner-up in General Mills' Annual "Betty Crocker Homemaker of Tomorrow for Montana" contest.

Val is the daughter of Mr. and Mrs. Wes Rimel, district R/W supervisor at Lewistown. She is a member of the National Honor Society, active in band, pep club, yearbook, school paper staff, future homemakers of America, and dramatics.

Mr. and Mrs. Duane Dengel are the proud parents of a baby girl born on April 1. Duane is rodman on Bob Ewing's crew at White Sulphur Springs.

WHERIZZIT?



Last month's Wherizzit brought quite a few replies, but naturally the fellows in the Bozeman Division came up with the correct answer in view of the location being in their own back yard. The picture was taken during construction on Secondary 293 about a half mile above the Bozeman Fish Hatchery, looking toward Bozeman.

This month we have a "sticker", we think. We will be surprised if anyone gives us the correct location. If you think you know, send your "guesses" to Centerline, Montana Highway Department, Helena, Montana 59601.

The Center Line
STATE HIGHWAY DEPARTMENT
Helena, Montana 59601

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